

WHAT IS CLAIMED AS NEW AND DESIRED TO BE SECURED BY LETTERS
PATENT OF THE UNITED STATES IS:

1. A connecting device connecting a spray boom to a
5 chassis of an agricultural sprayer, and which consists of a
single quadrilateral arranged in a plane which is
substantially vertical and substantially parallel to a
longitudinal plane of said sprayer.

2. Connecting device as claimed in claim 1, wherein
10 said quadrilateral is contained in a vertical mid-plane of
said chassis.

3. Connecting device as claimed in claim 1, wherein
said quadrilateral is deformable.

4. Connecting device as claimed in claim 3, wherein said
15 quadrilateral is deformed by an actuator.

5. Connecting device as claimed in claim 1, wherein said
quadrilateral comprises an upper arm and a lower arm.

6. Connecting device as claimed in claim 1, wherein
said quadrilateral is a trapezium.

20 7. Connecting device as claimed in claim 1, wherein
said quadrilateral is a parallelogram.

8. Connecting device as claimed in claim 5, wherein the
upper arm and the lower arm are connected, on one hand, to

the chassis and, on another hand, to said spray boom by means of respective articulations, the respective axes of which are substantially orthogonal to said plane containing said quadrilateral.

5 9. Connecting device as claimed in claim 8, wherein said articulations are located in said plane containing said quadrilateral.

10 10. Connecting device as claimed in claim 5, wherein one of said upper arm and said lower arm is a carrying arm and the other arm is an orienting arm.

11. Connecting device as claimed in claim 10, wherein said carrying arm has a box-shaped structure.

15 12. Connecting device as claimed in claim 10, wherein said carrying arm has a T-shaped structure, a head of which T is located on a same side as said spray boom.

13. Connecting device as claimed in claim 4, wherein the quadrilateral comprises an upper arm and a lower arm, one of said arms is a carrying arm and the other arm is an orienting arm, said actuator acts on said carrying arm.

20 14. Connecting device as claimed in claim 4, wherein the quadrilateral comprises an upper arm and a lower arm, one of said arms is a carrying arm and the other arm is an

orienting arm, said orienting arm is widened to leave a passage for said actuator.

15. Connecting device as claimed in claim 4, wherein said actuator is a ram.

5 16. An agricultural sprayer comprising at least one spray boom connected to a chassis by means of a connecting device as claimed in claim 1.

17. Agricultural sprayer as claimed in claim 16, which sprayer is of a trailed type.

10 18. Agricultural sprayer as claimed in claim 16, which sprayer is of a mounted type.

19. Agricultural sprayer as claimed in claim 16, which sprayer is of a self-propelled type.